

UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Gundula Czyzewski et al
Application Number: Unassigned
Filing Date: Concurrently Herewith
Group Art Unit:
Examiner:
Title: FRONT-LOADING WASHING MACHINE WITH A
ROTATING WASHING DRUM
Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. 1.98, I am submitting a completed "INFORMATION DISCLOSURE STATEMENT BY APPLICANTS" (*Form PTO/SB/08A*) with patents and/or publications as delineated therein attached.

JP 2000325688 provides a drum type washing capable of improving the drying efficiency. In this drum type washing machine provided with a water tank 4 disposed with the front surface opened in a washing machine main body 1, a rotary drum 5 having a number of holes 5a on the circumferential surface and rotatably supported in the water tank 4, a control circuit to control rotation of the rotary drum 5, and a blow means 10 to blow hot air from an opening part 5b of the rotary drum 5 into the rotary drum 5, the rotary drum 5 in a drying process is controlled by a rotation chart having plurality of at least either of rotation speed absolute values and reverse rotation periods.

DE 197 12 086 discloses that a washing drum for a washing machine has a number of through flow openings on its cylindrical surface (2) for penetration of the washing liquid. The surface (2) features hole-free sections (4) or zones.

DE 39 35 382 displays a device for sepg. the washing soln. from the washing during spinning is for a one-drum automatic washing machine with a water-tight, horizontal drum. A peripheral duct is located in or on the drum jacket and runs from the jacket t middle as far as

the drum bottom on the bearing side. The duct wall facing the laundry is equipped with perforations. The joint area of the duct in the area of the drum jacket middle features liquor entry openings. The washing soln. is prevented from collecting in the drum bottom while there are no costly additional components in the collecting container.

DE 8347 discloses an unscrewable mouthpiece for water-cooled moulds.

DE 537 758 discloses a washing machine with an inclined drum of uniform direction of rotation and a paddle arranged on its inner surface, characterized in that one edge of the paddle, on the base of the drum, is arranged as a chord section which lies outside the radius of the latter, while the free edge of the paddle, which rises from the base to the upper edge of the drum, is inclined against the uniform direction of rotation and circumference of the drum.

DE 576 523 discloses a washing machine with a rotatable spherical drum constructed in the form of a wire basket with carrier struts arranged on the inner circumference of the drum, characterized in that the carrier struts (b) for the items to be washed are arranged at intervals and are inclined in relation to the axis of rotation of the drum.

FR 1.136.981 discloses that the object of the invention is a washing machine, which is also designed for the drying of washing, consisting of a perforated drum which rotates inside a shell and is supported by two axles, at least one of which is of tubular form in order to allow hot air to be blown into the moving drum at the drying stage, the said hot air originating from a heat exchanger through which cold air, supplied by a blower, is passed.

The invention also incorporates the following additional characteristics, whether separately or in combination:

1. The washing is spun before drying;
2. The hot drying air is introduced into the drum via the two tubular axles;
3. The hot air is introduced alternately into the drum via each of the two drum axles;
4. Vanes which are inclined in relation to the generating lines of the cylinder are secured to the inner cylindrical surface of the drum to form one or more helixes;
5. The vanes are formed of a flexible material.

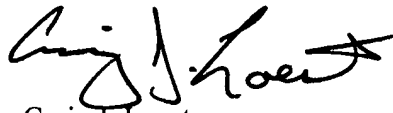
DE 44 12 718 discloses that in electrically operated washing machines and electrically operated laundry driers, provision is made for mounting the laundry-circulating profiles necessary in the laundry drums obliquely to the direction of rotation in a suitable way. Mounting is to be carried out in such a way that, during the rotation of the laundry drum in a single direction, the laundry is alternately circulated in both directions transversely to the

direction of rotation of the laundry drum. A reversal (change in the direction of rotation) becomes unnecessary as a result of this technique and can be dispensed with.

DE 88 04 246 discloses a drum for washing machines and washer-dryers, arranged for horizontal rotation and incorporating a front-mounted and closable loading opening, with evenly-spaced ribs arranged on the inner circumference of the drum shell, characterized in that the ribs (4) are curved in a helical pattern, and are arranged in the form of a coarse-pitch screw thread running in the main direction of rotation of the drum (1), as indicated by the arrow (5), from one end of the drum (1) to the other.

If no translation of pertinent portions of any foreign language patents or publications mentioned within the "INFORMATION DISCLOSURE STATEMENT BY APPLICANTS" is included with the aforementioned copies of those applications, patents and/or publications, it is because no existing translation is readily available to the Applicants. As per the Notice in 1273 OG 55 (August 5, 2003) no copies of any above-mentioned US patents and US patent application publications are submitted for this application which was filed after June 30, 2003.

Respectfully submitted



Craig J. Loest

Registration No. 48,557

July 19, 2006

BSH Home Appliances Corp.

100 Bosch Blvd

New Bern, NC 28562

Phone: 252-672-7930

Fax: 714-845-2807

craig.loest@bshg.com

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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Complete if Known

Application Number	Unassigned
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First Named Inventor	Gundula Czyzewski et al
Art Unit	
Examiner Name	
Attorney Docket Number	2004P00095WOUS

U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ *Number ⁴ *Kind Code ⁵ (if known)	MM-DD-YYYY			
		JP 200025688	11-28-2000	Kitamura Susumu et al		
		DE 197 12 086	09-24-1998	Klaus Gute		
		DE 39 35 382	05-03-1990	Siegfried Aurich et al		
		DE 8347	01-26-1880	W. Tiemann		
		DE 537 758	11-06-1931	Simon Mook		
		DE 576523	05-13-1933	Hermann Blatt Dipl Ing		

Examiner Signature		Date Considered	
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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	MM-DD-YYYY			
		FR 1.136.981	05-22-1957	M. Robert Tricot		
		DE 44 12 718	11-10-1994	Peter Achterberg		
		DE 88 04 246	04-27-1989	Verwaltungs-GmbH		
		International Search Report PCT/EP2005/050183				✓

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